

# Code 584 Project Status

1 of 4

Code 584 Project Status  
AS of 1/29/04

Project	Status			Last Report	CS	Δ	SSC	Notes
	Nov	Dec	Jan					
On-Orbit Missions								
EO-1	G	G	G	Jun-03	0.50		20.00	Funding by NRO and NIMA fund EO-1 at least until Dec 2004. Continuing to streamline ops and perform sensor web experiments. Updating to new version of DTAS in early '04
EOSDIS	G	G	G	Mar-02	0.80			Aura Build 13.2.8 PMDB # 2 operational for Online & Analysis subsystems. Build 14.0.2, PMDB #2 operational for MMS subsystem. Aura FORR planned for Feb 10-11. Launch readiness date May 31, 2004, Launch June 20.
Hitchhiker / FAST	G	G	G	Sep-02	0.50	-1.00	1.00	Hibernation and reactivation planning to be completed by EOFY or sooner.
HST	G	G	G	Nov-02	2.50			Interviewed 2 GOBBS candidates for HST Dep IPT, 2 Gyro Science efforts continues. Review w/Project on 1/22 to discuss results of recent Danbury HW testing (validation of HST simulator as high fidelity design tool). Likely schedule delays will occur due to M2G redesign efforts.
IMAGE, MAP	G	G	G		0.10		0.10	Looking into upgrading the Alpha FEDS with Linux FEDS, since mission may extend beyond 2007(IT Security Patches, HW Upgr)

# Code 584 Project Status

2 of 4

## Missions Under Development

Project	Nov	Dec	Jan	Last Report	CS	Δ	SSC	Notes
GLAST EGSE	G	G	G		0.70		2.00	All deliveries on schedule. I&T Manager seeking additional funds for contractor support. Waiting on G3 HW from SLAC.
GLAST Operations	G	G	G	Jul-02	0.90		1.00	MOC Peer Review held Dec 03. 10 RFA's being worked.
GPM		G	G		0.60			Tim Ray delivered CFDP software library on schedule - integrated into current prototype flight software. Final release of core CFDP library planned for end of Feb.
JWST Ground Sys	G	G	G		2.40		4.55	3 CCTS GFE Deliverables provided to NGST on schedule & within budget. First ECLIPSE system (R0.1) scheduled to be received 2/04. CCTS-IGSS Schedule in sync with ISIM ICDH FSW & SITS.
JWST ICDH Test Software		G	G		0.80		0.00	Working with Mark Voyton and Clara Hollenhorst. BIC GUI Test S/W Build 1 delivered on schedule (Houchens)
LWS/SET	G	G	G		1.50	-0.70	2.50	Supported SRR in Nov 03. Supporting Carrier I&T this Spring. SET1 launch on DMSP in Sept 06
MMS		G	G		0.10		0.00	Ken Lehtonen supporting GS formulation
SDO	G	G	G		1.40		1.50	Deliveries on schedule. Grnd system peer review Feb '04, PDR March '04. Want more support.
Space Wire IR&D		G	G		1.00		0.00	Working with Code 560 on development (Centa, Houchens)
ST-5	G	G	Y		1.90		2.00	Combining EO-1/ST-5 FOT. MOR April 04. MOC being assembled. New requirement: ST-5 may decide to use GMSEC-compliant ver of ASIST for the next ASIST release (9.4) (Mar04). This will require the GMSEC prototype to be upgraded to production status. This added requirement may exacerbate current manpower situation.
Swift	G	G	G		0.10		0.10	ITOS and DTAS maintenance
TRMM Reeng.	G	G	G		0.10			Cindi Adams supporting, helping with Raytheon contract.
ULDB CREAM	G	G	G		0.10		0.10	Funds for Linux OS Update received from Code 444. FY04 funds for maintenance (25K) also in system

# Code 584 Project Status

3 of 4

Initiatives/Proposal Work/SEB's								
Project	Nov	Dec	Jan	Last Report	CS		SSC	Notes
Adaptive Sensor Fleet		G	G		0.70	0.70		Pat Hennessy and Mark Lupisella Supporting
AETD Mentoring Program and Diversity Council	G	G	G		0.20			D Small chairing AETD Div Council, C Adams w/ Dennis - AETD Minority Career Mentoring Prgrm, AETD Ment Prgrm planning a 5 yr anniversary celebration. Donohue - Div Council Wrking Grps
AIST Proposal Winner	G	G	G	Jun-03	0.10		2.00	Building 4 element antenna for test in March using EO-1 and S-Band. Presenting some results at GSAW 2004.
CCSDS Panel Support	G	G	G		0.20			No change.
Code 453 Property Management	G				0.00			
Engineering Process Group (EPG)	G	G	G		0.60	-0.20		J. Ferrara, A. Centa, K Lehtonen supporting. Ken being reassigned

# Code 584 Project Status

4 of 4

## Initiatives/Proposal Work/SEB's

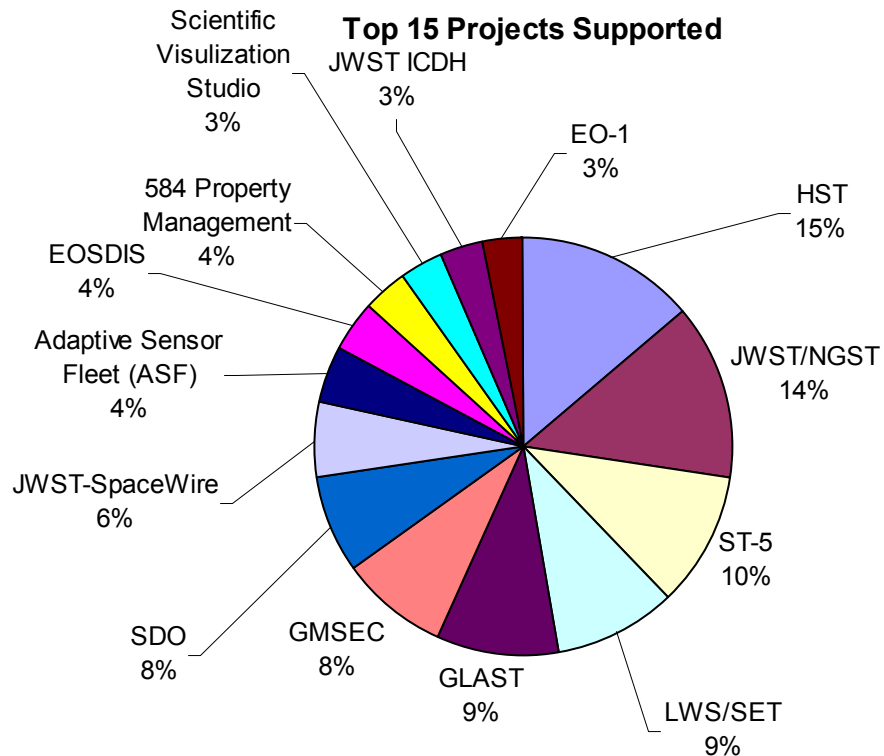
Project	Nov	Dec	Jan	Last Report	CS	$\Delta$	SSC	Notes
GMSEC	G	G	G		1.50	-0.50	2.00	Supporting on-going demonstrations. Arlene Bigel added to in-house development team. Ferrara supporting ITPS (583).
IMDC Support	G				0.00			
ISD ACT Support	G	G	G		0.00	-0.10		
METS/ESES SEB		G	G		0.10			R. Turner
Nexus			G		0.00	-0.10		Ken Lehtonen supporting GS formulation.
OMG Support	G	G			0.00		0.00	No activity
QMS Workshop		G	G		0.10			Planning ongoing. Scheduled for May 3-5, 2004.
Science Visualization Studio	G	G	G	Aug-03	0.60			Completed Earth and Mars Comparisons animation series. Developing code that will provide method of determining georeference information from source images and automatically creating new instances of slim appearances with the correct geospatial properties.
SensorWeb			G		0.10			Providing briefing to Assoc Admin of NOAA for possible collaboration opportunities (Feb04) - working with 586 on slides

# Code 584 Project Status

## Delta

Name	From Core Business	To Core Business	From Project	To Project	Notes
Ken Lehtonen	ISE-Primary Work, Specialized (GMSEC), ISE-Primary Work Standard	ISE-Primary Work Standard	GMSEC, Nexus, ACD Support, EPG	GLAST	GSOM-Rackley Backfill
Steve Bailey	AISE-Mission Request	AISE-Mission Request, ISE-Primary Work Standard	GMSEC	GMSEC, SOHO, Others	Detail to Code 581
Eve Rothenberg (0.3), Barb Milner (0.2)	ISE-Primary Work Standard	ISE-Primary Work Standard	Hitchhiker	LWS/SET	
Pat Hennessy	ISE-Primary Work Standard	AISE-Technology	LWS/SET	ASF	
Arlene Bigel	AFA (0.5 FTE)	ISE-Primary Work, Specialized (GMSEC)	DTAS Support	GMSEC In-House Team, Sys Admin Training	Scheduled to complete Sys Admin training in Feb. Feedback from GMSEC has been positive

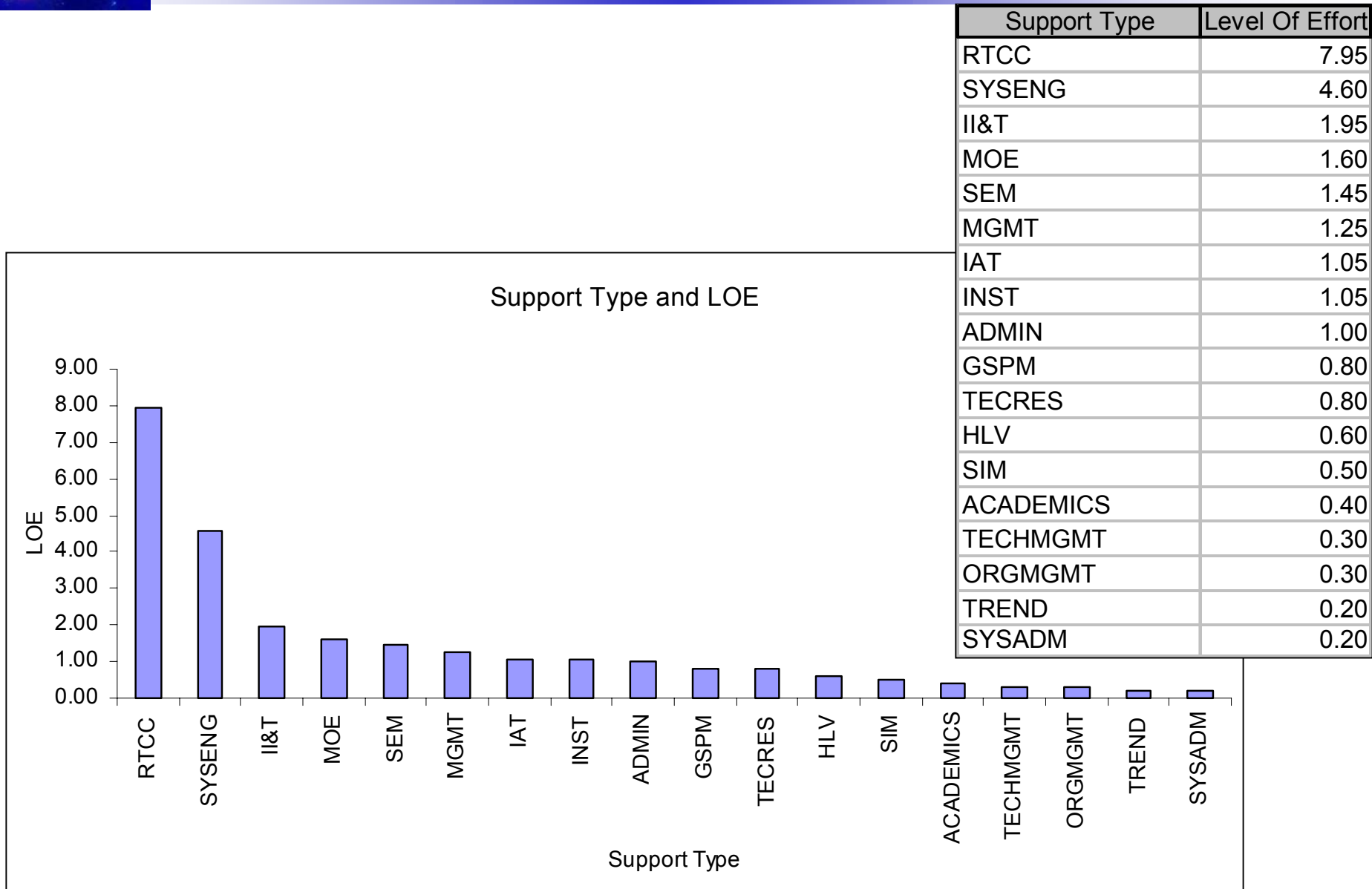
# Code 584 Staffing Overview – Jan 2004



As Of 1/27/04

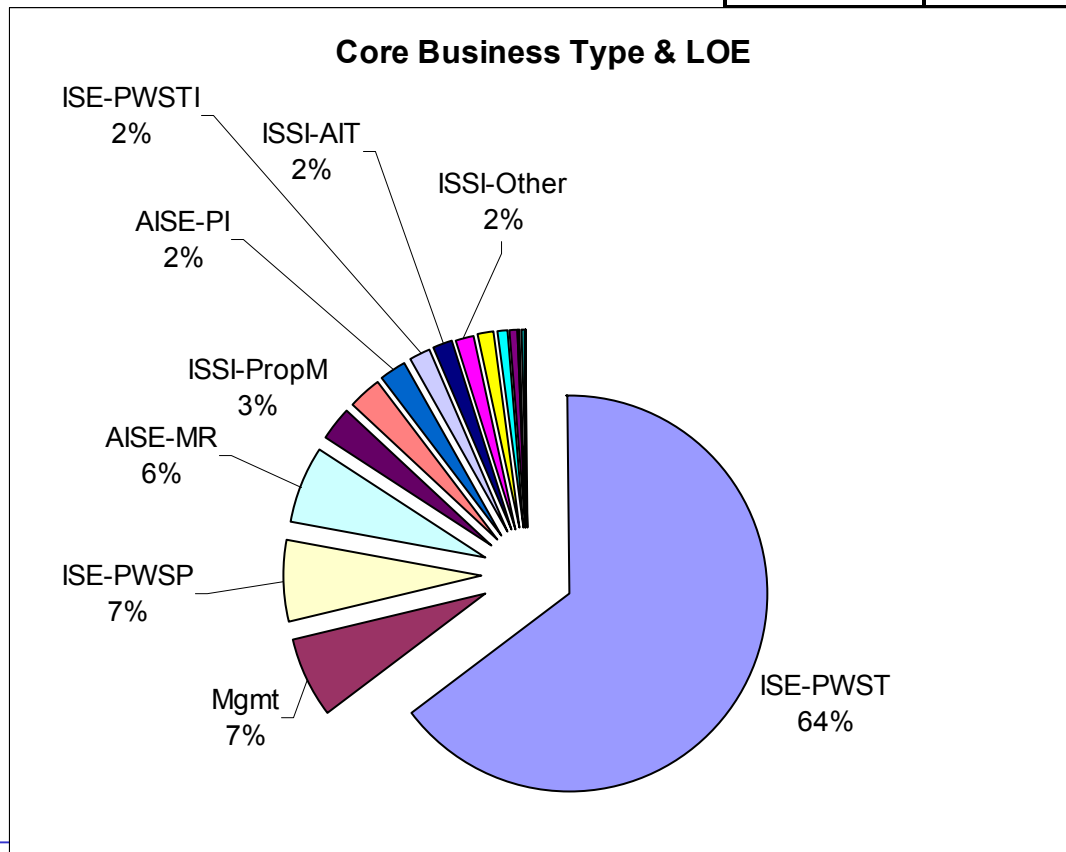
	ProjectName	LOE	
1	HST	2.50	9.56%
2	JWST/NGST	2.40	9.18%
3	ST-5	1.85	7.07%
4	LWS/SET	1.70	6.50%
5	GLAST	1.70	6.50%
6	GMSEC	1.50	5.77%
7	SDO	1.35	5.16%
8	JWST-SpaceWire	1.00	3.82%
9	Adaptive Sensor Fleet (ASF)	0.80	3.06%
10	EOSDIS	0.70	2.68%
11	584 Property Management	0.65	2.49%
12	Scientific Visualization Studio	0.60	2.29%
13	JWST ICDH	0.60	2.29%
14	EO-1	0.55	2.10%
15	SWIFT	0.50	1.91%

# Code 584 Staffing Overview – Jan 2004



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Core Business Category	Subtotal	Core Business Type		LOE
ISE	19.43	ISE-Primary Work, Standard	ISE-PWST	16.57
AISE	2.50	Management	Mgmt	1.75
ISSI	2.05	ISE-Primary Work, Specialized	ISE-PWSP	1.71
Management	1.75	AISE-Mission Request	AISE-MR	1.60
AFA	0.00	ISSI-Prop Mgmt	ISSI-PropM	0.75



ISE-Directed, Standard	ISE-DRST	0.70
AISE-Proc Improv	AISE-PI	0.60
ISE-Primary Work, Standard Investment	ISE-PWSTI	0.40
ISSI-Admin IT	ISSI-AIT	0.40
ISSI-Other	ISSI-Other	0.40
ISSI-Fac Mgmt	ISSI-FM	0.35
AISE-Technology	AISE-Tech	0.20
ISSI-Sys Admin	ISSI-SA	0.15
AISE-Unique	AISE-U	0.10
ISE-Directed, Specialized	ISE-DSP	0.05
AFA	AFA	0.00
ISE-Directed, Specialized Investment	ISE-DSPI	0.00
ISE-Directed, Standard Investment	ISE-DRSTI	0.00
ISE-Primary Work, Specialized Investment	ISE-PWSPI	0.00



# Acronyms

ACD	Anti-Coincidence Detector (GLAST)	NGN	NASA Ground Network
Cassini CIRS	Cassini Composite Infrared Spectrometer	NICMOS	Near Infrared Camera & Multi-Object Spectrometer
CCR	Configuration Change Request	OASIS	Ocean-Atmosphere Sensor Integration System
CCSDS	Consultative Committee for Space Data Systems	OMG	Object Management Group
CNES	Centre National d'Etudes Spatiales (French Space Agency)	ORR	Operational Readiness Review
CoO	Continuous Operation	OSAT	Observational Science Airborne Tracking
CPU	Central Processing Unit	PSU	Penn State University
DR	Design Requirement	RADAC	Range Data Acquisition
DRS	Disturbance Reduction System	REOC	Remote Earth Observing Control Center
DSA	Distributed Spacecraft Systems Architecture	ROWS	Radar Ocean Wave Spectrometer
EGSE	Electrical Ground Support Equipment	RTEMS	Real-time Executive Multiprocessor System
EMOS	EOS Mission Operations System	RTOS	Real-time Operating System
EO-1	Earth Observer 1	RXTE	Rossi X-ray Timing Explorer
EOS	Earth Observatory System	SAMPEX	Solar Anomalous & Magnetospheric Particle Explorer
EOSDIS	EOS Data Information System	SDO	Solar Dynamics Observatory
FAST	Flexible Autonomous Access to Station	SEB	Source Evaluation Board
FSW	Flight Software	SI C&DH	Science Instrument Command & Data Handling
GLAS	Geoscience Laser Altimeter System	SEB	Source Evaluation Board
GLAST	Gamma Ray Large Area Space Telescope	SEM	Space Experiment Module
GMSEC	GSFC Mission Services Evolution Center	SET	Space Environment Testbed
GPM	Global Precipitation Measurement	SITS	Science Instrument Test System
HABS	Harmful Algal Bloom Spectroscopy	SMEX	Small Explorer
HST	Hubble Space Telescope	SSM	Support Service Module
I&T	Integration and Test	ST-5	Space Technology 5
IMDC	Integrated Mission Design Center	ST-7	Space Technology 7
IRAC	Infrared Array Camera	STIS	Space Telescope Imaging Spectrograph
ISIM	Integrated Science Instrument Module	SWAS	Submillimeter Wave Astronomy Satellite
JWST	James Webb Space Telescope	TRACE	Transition Region and Coronal Explorer
LAT	Large Area Telescope (GLAST)	TRMM	Tropical Rainfall Measuring Mission
LISA	Laser Interferometer Space Antenna	UARS	Upper Atmosphere Research Satellite
LRTEE	Launch Range Technology Evaluation Environment	ULDB	Ultra Long Duration Balloon
LWS	Living with a Star Program	ULDB TIGER	The Trans Iron Galactic Element Recorder
MAP	Microwave Anisotropy Probe	ULDB CREAM	Cosmic Ray Energetics And Mass Balloon Experiment
MLA	Mercury Laser Altimeter	WFC3	Wide Field Camera 3
MOMS	Mission Operations and Mission Services	WIRE	Wide-Field Infrared Explorer
MRR	Mission Readiness Review	XRT	X-ray Telescope
NASDA	National Aeronautical Space Defense Agency of Japan		